

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Byung Chul AHN et al.

Application No.: TBA

Group Art Unit: TBA

Filed: June 26, 2003

Examiner: TBA

For: LIQUID CRYSTAL DISPLAY DEVICE

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits.

A copy of each reference on PTO/SB/08 is attached.

A summary/abstract translation of the non-English language references is enclosed.


While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0911.

Dated: June 26, 2003

Respectfully submitted,

By 
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STREET TO A REMARK OFFICE

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Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	TBA		
		Filing Date	June 26, 2003		
		First Named Inventor	Byung Chul AHN et al.		
		Art Unit	Unassigned		
		Examiner Name	Unassigned		
Sheet	1	of	1	Attorney Docket Number	8733.832.00

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	4,691,995	9/8/1987	Yamazaki et al.	
	AB	5,309,264	5/3/1994	Lien et al.	
	AC	5,608,556	3/4/1997	Koma	
	AD	5,666,179	9/9/1997	Koma	
	AE				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
	BA	EP 0 884 626 A2	12/16/1998	Fujitsu Limited		
	BB	WO 00/08521	2/17/2000	Konovalov et al.		
	BC	JP 6-235925 w/Abstract	8/23/1994	Matsushita Electric Ind Co		
	BD	JP 8-101395 w/Abstract	4/16/1996	Matsushita Electric Ind Co Ltd		
	BE	JP 9-61829 w/Abstract	3/7/1997	Matsushita Electric Ind Co Ltd		
	BF	JP 10-177178 w/Abstract	6/30/1998	Matsushita Electric Ind Co Ltd		
	BG	JP 10-333157 w/Abstract	12/18/1998	Matsushita Electric Ind Co Ltd		
	BH	JP 10-333159 w/Abstract	12/18/1998	Matsushita Electric Ind Co Ltd		
	BI	JP 11-133438 w/Abstract	5/21/1999	Matsushita Electric Ind Co Ltd		
	BJ	JP 11-142864 w/Abstract	5/23/1999	Matsushita Electric Ind Co		
	BK	JP 11-248930 w/Abstract	9/17/1999	Matsushita Electric Ind Co Ltd		
	BL	JP 11-326922 w/Abstract	11/26/1999	Matsushita Electric Ind Co		
	BM					
	BN					

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
		Y. TANAKA et al.; "A New Design to Improve Performance and Simplify the Manufacturing Process of High-Quality MVA TFT-LCD Panels"; SID '99 Digest; Pages 206-209			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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